

**DATA PROCESSING SYSTEM FOR MANAGING CLEANING PRODUCT USAGE**

**Abstract of the Invention**

A data processing system is used to manage and track use of chemical product in a washing machine. A detergent dispenser distributes the chemical products (e.g., detergent, rinse agent, and bleach) to the washing machine. The dispenser includes a monitor that detects dispenser data based on distribution of the chemical product by the dispenser. A database is coupled to the dispenser and stores an account identifier and an alignment identifier in association with the dispenser data of the dispenser. The database further stores corporate data in association with the dispenser data, the account identifier, and the alignment identifier. An analysis application analyzes the dispenser data in relation with the corporate data to characterize use of the chemical product in the chemical application system and provide a feedback loop. The analysis application can limit its analysis to data associated with a given account identifier or a given alignment identifier.